

MODERN SAW AND VENEER MILL.

The Algoma Commercial Company, Limited, of Sault Ste. Marie, Ontario, has just completed and put in operation one of the most up-to-date saw mills in Canada. It is equipped with two modern band mills and one "Wickes" gang, augmented with the latest automatic machinery for edging, trimming, and conveying

finishing room for sanding and polishing. The mill is equipped with a glueing room for making glued panels. This mill has a capacity of twenty million feet of hardwood logs annually.

There will be employed in these mills and in the woods about fifteen hundred men.

The International Lumber Company, Limited,

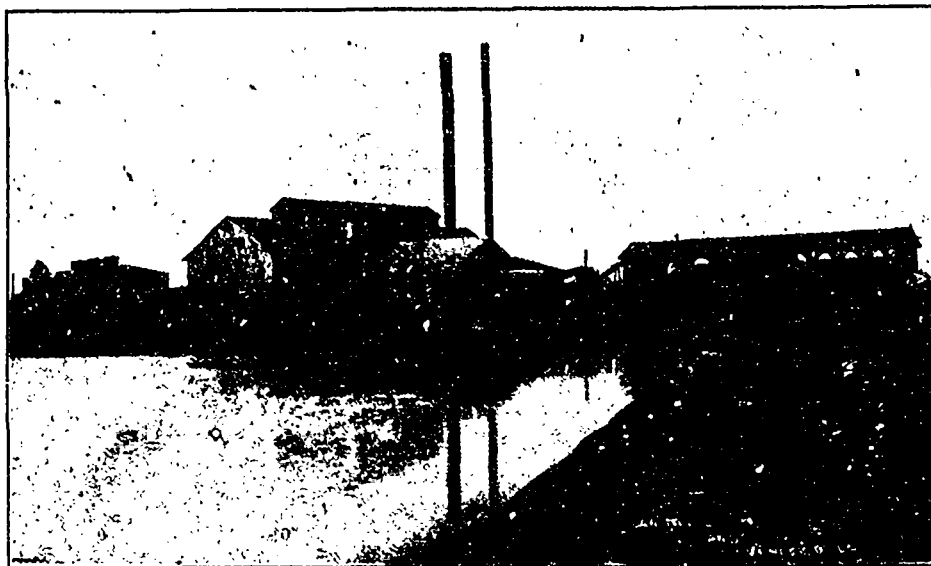
100 feet. Running out from this in front is the office building. At the south of the main building are the engine room, boiler house and shavings vault. The engine room is 14 x 24 feet and the boiler room 16 x 34 feet. East of the boiler room are the dry kilns, of which there are two, 12 x 72 feet each, and a storage room 22 x 72 feet. The first floor is reached by a large power elevator having a platform 6 x 18 feet and a lifting capacity of 60,000 pounds.

The first floor of the main building, 80 x 100 feet, is occupied by machinery and work benches and the foreman's office. The space over the main office, 24 x 30 feet, is used as a finishing room and that over the engine room as a glue room.

In designing the factory saving of labor and economy in manufacture were kept in mind. At the front and rear on the ground floor are large doors which slide up, permitting teams to drive through and placing the lumber where it is most convenient for use. Everything is handled on trucks, which, with the elevator, enables stock to be moved to any part of the factory with dispatch.

The equipment consists of a complete outfit of the latest and most improved machinery for the manufacture of woodwork. For drying the lumber the moist air system has been adopted, the kilns being supplied by the Standard Dry Kiln Company, of Indianapolis, Ind. The shavings and other waste material are carried by a patent shaving exhaust, which is connected with every machine throughout the building, to the shavings room 14x16 feet and thirty feet high, where the refuse is stored for fuel.

Power for driving the machinery is furnished by a modern high pressure boiler and a 100 h. p. Wheelock engine. A dry pipe is used, which ensures the steam passing into the



SAW AND VENEER MILL OF THE ALGOMA COMMERCIAL COMPANY, SAULT STE. MARIE, ONT.

the sawn lumber to the large sorting platform, where it is graded and piled on the dock for shipment by car or boat.

The edgings and slabs are carried by conveyors over a set of saws that cut them into four foot lengths. From here they are conveyed through the lath mill, where they are sorted and all material suitable is worked into lath. The residue, with all the other waste from the mill, is conveyed to a grinder, where it is ground into small particles and conveyed into a series of pockets, from which it is dumped into specially constructed cars and conveyed to the charcoal plant, where it is used as fuel.

The capacity of the mill is fifty million feet annually of cork pine lumber, equal to the well known Michigan pine.

The mill commenced the winter's run about the middle of January. The logs are brought in by rail over the Algoma Central & Hudson Bay Railway and dumped into a mill pond, the water in which is kept hot by means of a system of steam pipes, freeing the logs of all ice, snow and frost.

The company also operates a combined saw and shingle mill at Searchmont, on the Goulais River, 35 miles north of the Soo. This mill has an annual capacity of ten million feet of lumber and fifteen million shingles.

In connection with the saw mill at the Soo, and adjoining it as shown in the illustration, the company has one of the largest veneer mills in the world. It is three stories high and covers an area of 150 feet by 200 feet. This mill is equipped with The Coe Manufacturing Company's latest improved veneer machines, wringers, hot roller dryers, and dry kilns. The veneers are taken from the machines to the second floor for cutting into the different sizes, when they are taken to the

are agents for the products of the Algoma Commercial Company.

A COLLINGWOOD WOOD-WORKING FACTORY.

Fourteen years ago Wilson Bros. leased a small factory on Hurontario street, Collingwood, where they manufactured a small quantity of woodwork for local building. The growth of the business since that time has been very rapid, and although several additions were



WOOD-WORKING FACTORY OF WILSON BROS., COLLINGWOOD, ONT.

made to the factory, it was found necessary last year to seek an entirely new location, where buildings to accommodate their extensive trade could be erected. Accordingly, they purchased a large block of land on the corner of First and Walnut streets and erected thereon the building shown in the accompanying illustration. The plans for the building were drawn by Mr. John Wilson, who aimed at "slow burning construction" with a view to minimizing the fire risk. The building is a two storey brick structure. The body of the main building is 80 x

engine in a perfectly dry state. The water passes through a Moffat heater and purifier and into a Northey duplex steam pump, by which it is forced into the boiler.

Messrs. Wilson Bros. manufacture doors, sash, frames and everything in the line of woodwork required in the construction of a building. They manufacture a large number of stairs ready to erect, also hardwood flooring. Their business extends to all parts of the Dominion, they having made shipments to Truro, N. S., in the east and to Vancouver, B. C., in the west. They also ship to the United States.